

**Climatological Data for March, 1910.**  
**DISTRICT No. 12, COLUMBIA VALLEY.**

EDWARD A. BEALS, District Editor.

**GENERAL CLIMATOLOGICAL CONDITIONS.**

The month was characterized by its mildness, deficiency in precipitation, and an abundance of sunshine. The conditions more nearly resembled those of an average April rather than those of an average March, and vegetation made rapid advancement, especially pasturage which was badly needed on account of the shortage of hay caused by the cold winter and the heavy feeding that was done during January and February. Stock picked up in flesh rapidly and the losses were not so great as expected. By the end of the month stone fruit was in bloom in many localities, but commercial orchards, as a rule, were not far enough advanced to be seriously injured by the heavy frosts that occurred on the 25th and 29th.

The avalanches and floods at the end of February continued during the first few days of March. The avalanches were especially severe and never before, so far as known, had they been so numerous. They caused the loss of over 100 lives, and the destruction of several hundred thousand dollars worth of property. A special report covering this phenomenon has been prepared and will appear in the issue for April, 1910. The floods, also, were unusually severe for the season of the year, and they did an immense amount of damage along the line of railroads, and to some of the county roads, by washing away bridges and causing small landslides which made repairs slow and expensive. Reports received at the end of the month show that the amount and condition of snow in the mountains indicate that an average, or possibly slightly less than an average flow will be maintained during the coming season in the principal streams from which water is taken for irrigation purposes.

**TEMPERATURE.**

The mean temperature, as determined from the records of 236 stations, was  $45.7^{\circ}$ , and it was above the normal in all sections. The greatest departures from the normal temperatures were in the upper valley and portions of the central valley of the Snake River, and near the headwaters of the branches of the Columbia River, in Montana, where the mean temperatures were  $6^{\circ}$  to  $10^{\circ}$  above the normal. Elsewhere, departures ranged uniformly between  $5^{\circ}$  and  $7^{\circ}$ , except in portions of the central valley of the Snake River, and along the coast where, as usual, the departures from seasonal temperatures were less.

The warmest sections were in the upper portion of the Umpqua watershed, and in the lower Columbia Valley, near the mouth of the John Day River, where mean temperatures of about  $54.0^{\circ}$  occurred. It was coldest near the headwaters of the Snake River in southeastern Idaho, where a mean temperature as low as  $31.0^{\circ}$  occurred at an elevation of 4,815 feet, and it was nearly as cold near the headwaters of the Columbia River in Montana, at elevations above 4,000 feet. Elsewhere the mean temperatures varied according to location and elevation, being generally greatest along the sea coast, and at the lower levels in the interior, and lowest in the highlands, especially in the extreme eastern counties, as already noted.

There were 2 distinctive cold spells, one during the latter half of the first decade, at which time the lowest temperatures were generally recorded over the eastern districts, and the other during the last decade, when the lowest minimum temperatures occurred in the western sections. The highest temperatures occurred during the second decade.

The highest recorded mean temperature was  $54.0^{\circ}$  at Gladale, Oreg., on the Umpqua watershed, at an elevation of 1,441 feet above sea level, and at Blalock; also in Oregon, in the middle Columbia basin, at an elevation of 237 feet. The

lowest recorded mean temperature was  $31.0^{\circ}$  at Camas, Idaho, on the watershed of Lost River, at an elevation of 4,815 feet above sea level. The highest recorded temperature was  $88^{\circ}$  at Kennewick, Wash., in the Columbia River Valley, on the 15th, and the lowest was  $-4^{\circ}$  at Alta, Wyo., in the upper Snake drainage basin, on the 10th.

**PRECIPITATION.**

The average precipitation, as determined from the records of 345 stations, was 2.01 inches, which is below the normal. The precipitation was generally above the average in southwestern Washington, in the Valley of the Columbia in central Washington and in localities near the headwaters of the branches in Montana, and in western Wyoming, though these departures from normal precipitation were not great. The greatest deficiencies occurred west of the Cascade Mountains, and generally at stations having the greatest average monthly rainfall. With the exception of the period from the 9th to the 16th, inclusive, precipitation was quite general over the district, and it was very well distributed throughout the month, the periods of greatest rainfall being the first 5 days of the month, and from the 18th to the 23d, inclusive. In the western counties the heaviest rainfalls occurred on the 1st.

Very little snow, comparatively, fell during this month, and in the valleys and at moderate elevations the accumulated snow blanket had generally disappeared by the close of the month, although in sheltered places in the forests and in canyons and ravines, there was still considerable well-packed snow; the amount was, however, somewhat less than is usual at this season.

The heaviest precipitation occurred west of the Cascade Mountains, where 1 to 11 inches, mostly rain, fell. Over the remainder of the district, the precipitation was generally less than 5 inches in any one locality, the greatest amounts occurring at moderate elevations.

The greatest monthly precipitation was 11.25 inches at South Bend, a station in the coast drainage area, in Pacific County, Wash., and no precipitation occurred at Oakley, on the watershed of the upper Snake River, in Cassia County, Idaho, at an elevation of 4,191 feet. The greatest 24-hour fall was 4.25 inches at Astoria, Oreg., on the 1st. Other heavy 24-hour falls worthy of mention were 3.90 inches at South Bend, Wash.; 3.82 at Kosmos, Wash.; 3.55 at Glenora, Oreg.; 3.11 at Yale, Wash.; 3.07 at Welches, Oreg.; 3.00 at Lake Keechelus, Wash.; 2.98 at Pompeii, Oreg.; 2.80 at Mountain Park., Oreg.; 2.55 at Lester, Wash.; 2.54 at North Head, Wash.; 2.53 at Mountain Home, Oreg.; and 2.36 at Centralia, Wash., all occurring on March 1.

**THE RIVERS.**

Heavy rains during the last days of February caused high water in the Willamette River early in March (a special report on which follows), while snow, melting rapidly as a result of Chinook conditions, and at some places assisted by rain, caused destructive floods and washouts generally in the lowlands throughout eastern Oregon and in Washington, Idaho, and Montana.

The Columbia River averaged from 4.6 feet above the normal for the month at Vancouver, Wash., to 9.4 feet above at The Dalles, Oreg., but farther up the stream it was only a few feet higher than usual. The mean of the daily stages for the month was 7.9 feet higher than in February at Vancouver, and 13.6 feet higher at The Dalles, above which station it was generally from 6 to 8 feet higher. The highest stages occurred on the 25th, except at Vancouver where it reached 17.0 feet on the 5th;

the highest stage at The Dalles was 24.4 feet on the 24th. The river was at the lowest stage for the month on the 1st.

The mean stage of the Willamette was about a foot above the normal for the month, except at Portland where backwater from the Columbia caused it to be 6.6 feet above; the Willamette averaged a foot higher than in February; during the freshet it reached a stage of 19.6 feet at Portland on the 5th, which is 4.6 feet above the flood stage. There was a second period of comparatively high water during which a stage of 14.8 feet was recorded at Portland on the 26th. The highest water at all stations on the Willamette occurred during the first 5 days, while the river was at its lowest on the 31st, except at Portland where it was lower on the 17th.

The loss due to high water in Oregon was not great; at Portland flood warnings were issued in time for merchants to remove goods that would have been affected. Early in the month much inconvenience and some loss was occasioned in the plains of Harney County and also in central Oregon by washouts and flooded roads.

In Washington excessive precipitation during the last days of February and the first of March resulted in severe floods. The loss to branch lines of the Oregon Railroad and Navigation Company in that State is estimated at \$100,000 and it will be several months before the repairs are completed. In that State, as well as in Montana and portions of Idaho, snow lay on the ground that had previously been frozen, and when it melted the waters flowed over the hard surface so rapidly that they soon reached the main streams in the valleys where they carried away bridges and washed out railway roadbeds. In Whitman County the commissioners estimate the damage to bridges at \$100,000. On the electric line between Colfax and Steptoe 5 bridges, several miles of track, terminal grounds and a depot were washout out, the estimated loss being \$100,000.

All streams in Idaho were high on the 1st. The water in Indian Creek, mentioned in the February report, soon subsided. An ice gorge in the Payette River broke on the 1st and carried away the Payette Valley Railroad bridge at Payette. Washoe bottoms, on the Snake River, were flooded on the 2d causing loss of stock and making it necessary for several families to abandon their homes.

An abnormal rise in temperature melted the snow in the valleys and bench lands of Montana during the early part of the month. Silver Bow Creek rose to over 5 feet above its usual stage, causing the ice to break; the broken ice floated down stream and formed ice jams and at places forced the water out of its regular channel. About 2,500 yards of roadbed and ballast on the Butte, Anaconda, and Pacific Railway were carried away; the ice and high water also injured bridges. At Anaconda water in cellars in the business district ruined flour and damaged grains. At Kalispell on the 7th there was a loss of \$1,000 as a result of water flowing into basements of stores. For a short time, early in the month, 2 feet of water covered the railway tracks near Drummond and a temporary span of the county bridge was forced away by an ice jam. The road commissioner of Ravalli County estimates the loss to that county in bridges at \$10,000.

#### MISCELLANEOUS PHENOMENA.

The prevailing winds were from the southwest. There was a marked excess of sunshine over the entire district. The percentage of possible sunshine being 59 at Spokane, 39 at Seattle, and 53 at Portland. Killing frosts were reported on the 6th, 25th, and 29th; vegetation, however, was not far enough advanced to be greatly damaged. No very high winds occurred during the month.

#### SNOWFALL CONDITIONS IN THE MOUNTAINS AT THE HEADWATERS OF THE COLUMBIA RIVER AND ITS TRIBUTARIES AT THE END OF MARCH, 1910.

*British Columbia.*—The winter's snowfall over the Columbia River watershed was somewhat less than the usual amount and, on account of the mild

weather during March, the snow in the valleys disappeared earlier than usual. There is still considerable snow left on the hills and mountains, though less than the average amount generally remaining at this time of the year.—*E. Baynes Reed, Superintendent, British Columbia Weather Service.*

#### MONTANA.

*Bitterroot Basin.*—Warm weather during March has greatly reduced the depth, but at high altitudes has only served to leave the snow very solid. In the foothills it has mostly melted, and as a result the streams were much higher than usual for this month. In the Bitterroot Range the snow that fell in February has become very solid, and an average late flow of water is indicated.

*Flathead Basin.*—The snowfall for March was deficient in the Main Range and Kootenai Mountains, but the snow remaining at high altitudes is very solid from thawing and freezing. There is from 2 to 4 feet of icy snow at elevations above 5,000 feet in the Main Range, and about the same in the Cabinet Range.

*Kootenai Basin.*—There is 4 feet or more of solidly packed snow above 5,000 feet altitude in the Purcell Mountains, and an average of about 8 feet at 7,000 feet in the Cabinet Range within this basin. The snow below 4,000 feet elevation melted during the month, giving an unusual flow of water in all streams.

*Missoula Basin.*—The March snowfall was about the average in the Bitterroot Mountains within this basin. Above 6,000 feet elevation the snow is reported to be 8 to 14 feet deep and very solid. Conditions are somewhat less favorable in the Main Range.

*Wyoming.*—During the early winter a good quantity of snow fell in the mountains at the headwaters of the Snake River in western Wyoming and became thoroughly packed. The month of March was unusually warm and dry, so that at the close of March the snow had disappeared from most of the valleys and foothills, but good depths still existed in the mountains, although the depths were not as great as they were a year ago. From present indications, the streams will not be high during the spring unless unusually heavy spring rains occur. The snow in the mountains will melt slowly and should give nearly an average flow during the late summer.

*Idaho.*—The snowfall during December, January, and February was above normal. November precipitation was very heavy, but was mostly in the form of rain. March was mild and dry, and a large part of the snow has already melted. There is considerably less than the usual amount of snow now in the mountains, but that which remains is compact and the gulches are well filled, while the soil is saturated. Indications point to slightly less than the normal flow of water during the coming season.

*Washington.*—The total snowfall of the winter has been somewhat above the average amount, except in the Blue Mountains and some parts of the Okanogan highlands. The excess of snowfall occurred entirely during the month of February. During November the snowfall was not heavy, during December it was about the average for the month, and during January it was generally below the average in the mountains. Heavy rainfall and warm winds caused the greater part of the snow to disappear in November, but prolonged cold periods in December and January prevented much run-off. High winds caused much drifting into the ravines and gulches. The snowfall during the last 18 days of February was phenomenal in amount the greatest in the last 18 years. Much has melted and run off from the slopes in the last few days, and there were many heavy slides from the summits in the last few days of February and the first week of March. There was a very light fall during March, and the exceptionally warm weather caused the slopes to become bare, but heavy drifts remained in the gulches, packed hard, and melting gradually.

*Oregon.*—Only in a few localities was there snow in October; in November, although the precipitation was above the normal, only about the average amount of snow fell, but the rains operated to saturate the ground to quite a depth, and the comparatively heavy snowfall of December and the first part of January was later melted by rains and mild weather in the western sections, but in the eastern districts the ground had become frozen to a considerable depth during the extreme cold spell in December, and high winds caused the snow to drift, to be packed later by light rains and mild weather. The February snowfall was above the average, especially in the Blue Mountains, and being generally well packed in all sections, the snow will melt and run off slowly. Correspondents, generally, believe that there will be an abundant supply of water the coming season.

#### NEWS ITEM.

On account of the mild weather during the month of March, the elk in western Wyoming were able to secure food and the anticipated losses did not occur. The elk have been increasing in numbers during the last few years in that section. During the month, a carload was shipped from Jackson, Wyo., to Sheridan, Wyo., where they will be released in the Big Horn Mountains in the hopes that they may breed and restock those mountains.

TABLE 1.—Climatological data for March, 1910. District No. 12, Columbia Valley.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Pervailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of cloudy days.			
<i>Montana.</i>																				
Anaconda.	Deer Lodge.	5,300	9	41.2	+ 9.1	68	20	14	6	37	0.38	- 0.48	0.12	2.0	5	15	3	...		
Bison.	Powell.	7,240									0.74		0.25	12.0	4	25	2	sw.		
Columbia Falls.	Flathead.	3,100	18	40.4 <sup>b</sup>	+ 7.4	67 <sup>b</sup>	20	13 <sup>b</sup>	6	38 <sup>b</sup>	1.36	+ 0.13	0.58	3.0	3	9 <sup>b</sup>	11 <sup>b</sup>	sw.		
Comoe <sup>a</sup> .	Ravalli.	2	45.6			66	12†	25	25	35	1.10		0.82	0.0	7	14	11	6		
Derby.		3,825	1																	
Dayton.	Flathead.	2,800	6	40.1		64	23	18	7	44										
East Anaconda <sup>a</sup> .	Deer Lodge.	5,500	5	41.6		67	21	18	25	30	0.28		0.20	2.6	3	15	3	w.		
Fortine.	Lincoln.	2,975	4	39.5		66	12†	15	26†	43	0.58		0.15	2.0	9	13	3	sw.		
Hamilton.	Ravalli.	3,575	7	46.8		73	20	20	6	40	0.74		0.37	0.0	5	18	14	1	n.	
Hat Creek.	Powell.	6,000																		
Kalispell.	Flathead.	2,965	11	41.0	+ 8.0	64	15	19	6	32	0.77		0.35	2.3	6	19	10	2	w.	
Lost Creek.	Deer Lodge.	5,200																		
McGinnis Meadows.	Lincoln.																			
Missoula.	Missoula.	3,225	32	43.0	+ 8.2	70	19	21	6†	38	0.60	- 0.40	0.21	0.0	7	9	sw.			
Ophir.	Powell.	8,800																		
Ovando.		4,207	10	32.8	+ 3.7	58	20	14	8†	37	1.59	+ 0.27	0.50	5.0	7	1	29	1	w.	
Philipsburg.	Granite.	5,275	7	42.2 <sup>a</sup>		71 <sup>a</sup>	20	14 <sup>a</sup>	6	41 <sup>a</sup>	0.39		0.15	T.	6	19 <sup>a</sup>	6 <sup>a</sup>	sw.		
Plains.	Sanders.	2,475	12	42.0	+ 6.2	68	18†	18	6	35	0.35	- 0.19	2.0	3	22	0	9	sw.		
Pleasant Valley.	Flathead.	3,500	3	38.9		64	21	11	6	40	1.60		0.33	1.5	11	13	11	7	sw.	
Polson.		2,920	2																	
St. Ignatius.	Missoula.	2,700	4	42.6 <sup>a</sup>		66 <sup>a</sup>	12†	20 <sup>a</sup>	6†	35 <sup>a</sup>	0.81		0.37	T.	7	16	6	9		
St. Regis.	do.	2,650	2	41.6		70	18	12	6	46	3.40		1.59	0.0	7	7	24	0	ne.	
Saltines.		3,600	6																	
Snowshoe.	Lincoln.	4,500	4																	
Troy.	do.	1,880	14	45.4	+ 9.0	73	15†	18	29	44	1.64	- 0.27	0.60	0.0	10	13	4	14	se.	
Upper Lake McDonald.	Flathead.	3,200	2	38.4 <sup>b</sup>		67 <sup>b</sup>	12†	11 <sup>b</sup>	6	40 <sup>b</sup>	1.40		0.74	5	12 <sup>b</sup>	2 <sup>b</sup>	15 <sup>b</sup>	s.		
<i>Wyoming.</i>																				
Afton.	Uinta.	6,200	6	35.2	+ 5.8	62	22†	7	10	33	1.44	+ 0.55	0.50	2.0	8	22	1	8		
Alta.	do.	1	36.2			61	19	-	10	48	1.14		0.50	1.7	5	16	9	6	s.	
Bedford.	do.	5,900	10	33.8	+ 5.1	59	21	4	10	42	1.53	- 0.31	0.43	8.8	6	22	3	6	w.	
Snake River.	Yellowstone Park.	7,000	4	32.3		58	20	3	30	47	1.30		0.50	13.0	6	17	11	3	w.	
<i>Nevada.</i>																				
San Jacinto.	Elko.			40.0				66	20	14	30	43	0.19		0.12	0	2	19	4	sw.
<i>Utah.</i>																				
Standrod.	Boxelder.		6	43.7		65	18†	20	29	34	0.06		0.04	0.5	2	19	7	5	sw.	
<i>Idaho.</i>																				
Atlanta.	Elmore.	5,500	4																	
Albion.	Cassia.	8	45.8			73	18	24	6†	43	0.02		0.02	0.5	1	22	7	2	w.	
Almo.	do.	2									0.10		0.10	T.	1	25	6	0	s.	
American Falls.	Oneida.	4,341																		
Blackfoot.	Bingham.	4,503	15	43.0	+ 7.4	73	21	10	9	43	0.48	- 0.44	0.15	0.0	5	20	10	1	sw.	
Blackfoot Dam.	do.	2	33.0			55	21	4	10	38	0.74		0.29	6.0	5	16	15	0	w.	
Blanche.	Lincoln.	2																		
Bock's Ranch.	Elmore.	3,500																		
Bogus Creek.	Boise.	4,200	2																	
Boise.	Ada.	2,770	25	49.0	+ 6.8	74	19	30	29	32	0.83	- 0.61	0.29	0.3	7	13	9	9	dw.	
Bonners Ferry.	Bonner.	1,850	4	42.2		66	15†	18	29	33	1.13		0.50	3.0	4	8	20	3	sw.	
Boulder Mine.	Boise.	4,800																		
Buhl.	Cassia.	3,800	4	51.8 <sup>b</sup>		79 <sup>b</sup>	18†	30	8	36 <sup>b</sup>	0.28		0.98	2.7	6	19	8	4	w.	
Burke.	Shoshone.	4,082	3	38.0		63	18	10	6	47	3.45		1.01	13.0	10	13	15	3	sw.	
Caldwell.	Canyon.	2,372	6	47.4		76	18	23	5	41	0.23		0.20	0.0	3	7	19	5	w.	
Camas.	Fremont.	4,315	2	31.0 <sup>a</sup>		69	19†	- 2	24	50 <sup>a</sup>	0.03		0.02	T.	2	12	9	10	sw.	
Cambridge.	Washington.	2,651	13	39.8	+ 2.2	64	30	14	6	36	0.95	- 1.35	0.35	0.0	8	4	11	14	w.	
Chesterfield.	Bannock.	5,424	13	38.2	+ 9.6	69	20	9	10	44	0.65	- 0.92	0.33	1.0	2	22	6	3	sw.	
Clawson.	Fremont.										0.67		0.35	3.0	3	22	0	9		
Cœur d'Alene.	Kootenai.	2,157																		
Cottonwood Creek.	Boise.	4,000																		
Crawford.	do.	4,300	3	37.2 <sup>a</sup>		61 <sup>a</sup>	18	9 <sup>a</sup>	6	42 <sup>a</sup>			2.0		3	17	10	4	n.	
Culdesac.	Nez Perce.	1,520	2	48.0		73	19	24	8	40	0.86		0.71	0.0	3	17	10	4		
Deary.	Latah.	42.5				70	18†	17	6	45	3.46		0.80	0.0	8	19	9	3	w.	
Dent.	Nez Perce.	1,350	5																	
Driggs.	Fremont.	6,097	3	35.3		65	21	3	29	37	0.65		0.34	5.7	3	13	10	8	sw.	
Edie.	do.	35.5				59	20	10	6	32			0.20	2.0	2	20	6	5	n.	
Edwardsburg.	Idaho.	4,500		35.8		56	18†	10	6†	36										
Emmett.	Canyon.	2,350	4	49.8 <sup>a</sup>		76 <sup>a</sup>	19	23	29	36 <sup>a</sup>	0.46		0.15	0.0	5	27	0	4	e.	
Forney.	Lemhi.			40.6	+ 8.8	71	20	6	6	45	1.10	- 0.81	0.60	6.5	5	4	21	6	sw.	
Garden Valley.	Boise.	3,600																		
Garnet.	Elmore.	2,575	11	32.2	+ 5.4	81	18	31	10†	40	0.67	- 0.25	0.60	0.0	2	20	5	6	e.	
Gilbert.	Nez Perce.	3,030																		
Glenn Ferry.	Elmore.	2,569	2	49.2		79	17†	24	30	45	0.28		0.19	0.0	5	22	6	3	sw.	
Gooding.	Lincoln.	3,572		46.7		76	19	21	30	42	0.14		0.10	0.0	4	19	10	2	e.	
Grand Forks.	Shoshone.	3,000		36.0		57	15	7	6	46	0.56		2.06	4.2	11	13	11	7	e.	
Grandview.	Owyhee.	2,381		48.7		79	19	25	10†	44	0.46		0.35	0.0	3	22	6	3	sw.	
Green Timber.	Fremont.																			
Grimes Pass.	Boise.	5,200																		
Guffey.	Owyhee.	2,381	2	51.1		80	19	28	25	42	0.21		0.08	0.0	5	24	1	6	w.	
Hailey.	Blaine.	5,347	6	38.9		62	20†	15	6	47	0.43		0.12	1.2	6	19	9	6	sw.	
Hotingspr.	Owyhee.	2,752	5	50.6		77	19	28	10	44			0.0							
Idaho City.	Boise.	4,000	10																	
Idaho Falls.	Bingham.	4,742	16	42.8	+ 10.3	74	19	20	10†	46	0.20	- 1.63	0.16	0.0	3	22	4	5	ne.	
Indian Valley.	Washington.	2,909	2																	
Irwin.	Bingham.	6,500																		

TABLE 1.—Climatological data for March, 1910. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.			
<i>Idaho—Cont'd.</i>																				
Milner.	Cassia.	4,097	7	45.8	+ 7.1	79	24	20	6	49	T.	T.	0.0	0	22	9	0	w.	R. A. Hanson.	
Moscow.	Latah.	2,748	18	44.7	+ 7.1	67	14†	25	29	28	2.64	+ 0.58	0.58	0.0	14	13	9	w.	University of Idaho.	
Mountainhome.	Elmore.	3,150	5	47.2	+ 9.1	76	19	25	10†	41	0.68	0.27	0.0	4	17	3	11	Mrs. Ellen Manion.		
Murtaugh.	Cassia.	4	44.8	73	18	24	29	41	T.	T.	T.	T.	0.0	0	20	8	3	J. E. Steinour.		
Nez Perce.	Nez Perce.	3,182	17	41.8	+ 9.1	64	19	18	6	34	1.11	0.31	0.0	6	17	0	14	P. Mitchell.		
Oakley.	Cassia.	4,191	17	47.6	+ 9.1	72	18†	25	30	38	0.00	- 1.05	0.00	0.0	15	15	1	s.	John Adams.	
O'Hara Bar.	Idaho.	1,400	—	76.6	—	77	18	23	6	47	3.37	1.40	0.0	11	13	16	2	U. S. Forest Service.		
Orofino.	Nez Perce.	1,027	5	47.1	—	77	15	22	6	48	3.23	0.90	T.	16	9	20	2	Geo. Alteneder.		
Payette.	Canyon.	2,155	20	46.1	+ 3.7	70	16†	23	6	40	0.51	- 0.82	0.21	T.	4	13	7	11	E. F. Allen.	
Pebble.	Bannock.	5,277	39.1	66	19†	11	10	43	0.51	—	0.18	0.0	5	16	12	3	sw.	Mrs. Fannie Say.		
Pierson.	Custer.	7,000	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	David P. Clarke.		
Pine.	Elmore.	4,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. Jennie Potter.		
Placerville.	Boise.	4,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	James McDevitt.		
Pleasant Valley.	Ada.	3,000	3	47.1	—	74	18†	28	24†	37	0.81	0.44	T.	5	21	6	4	se.	C. E. Friedrich.	
Pocatello.	Bannock.	4,483	11	46.0	+ 9.1	70	21	26	29	37	0.64	- 1.11	0.23	T.	5	15	9	7	se.	U. S. Weather Bureau.
Pocatello Nursery.	do.	5,396	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. Anna M. Wrensted.		
Poplar.	Bingham.	1,665	2	42.4	—	73	18	19	30	45	0.67	0.32	T.	4	19	6	8	sw.	Stanley Bybee.	
Porthill.	Bonner.	4,300	22	40.9	+ 6.1	60	21	21	6	31	1.28	- 0.10	0.55	T.	6	14	10	7	sw.	H. A. French.
Powers Ranch.	Boise.	3,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walter L. Cole.		
Pyle Creek.	Elmore.	4,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Richard M. Green.		
Rattle Snake Creek.	Boise.	4,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O. A. Hatter.		
Ruby Creek.	Lincoln.	4,204	4	45.4	—	73	18	14	29	40	0.10	0.10	0.0	1	25	4	2	sw.	Will Parry.	
Rupert.	Lincoln.	4,040	5	42.6	—	75	20	20	6†	43	0.47	0.28	T.	7	11	14	6	w.	E. K. Abbott.	
Salmon.	Twin Falls.	5,000	2	45.8	—	69	18	25	24	34	0.31	0.11	T.	5	15	10	6	s.	Arch M. Gilbert.	
Salmon River Dam.	Boise.	3,963	3	45.2	—	71	18	23	30	39	0.22	0.08	0.0	0	5	13	18	0	e.	Clifford M. Gardner.
Sheep Hill.	Lincoln.	5,280	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O. A. Truman.		
Shoshone.	Lincoln.	3,963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	A. D. Bradford.		
Silver City.	Owyhee.	6,280	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wm. W. Newell.		
Smith Prairie.	Elmore.	5,260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. W. Leek.		
Soldier.	Blaine.	5,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Geo. F. Webb.		
Sugar.	Fremont.	3	38.0	—	—	70	20†	13	10	39	0.44	0.18	1.0	6	15	7	9	sw.	E. A. Wilmet.	
Sunnyside.	Elmore.	46.1	—	—	—	74	19	23	30	40	0.85	0.40	0.0	4	1	21	8	2	sw.	Mrs. W. A. Edwards.
Tilden.	Bingham.	4,420	2	43.5	—	73	18	20	9†	44	0.20	0.20	0.0	1	22	17	5	sw.	Mrs. Verna Paddock.	
Tripod Mountain.	Twin Falls.	4,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	J. A. Waters.		
Vernon.	Fremont.	13	37.2	+ 7.6	—	64	21	15	9	32	0.56	- 1.16	0.28	1.5	3	3	8	20	c.	A. M. Slater.
Wallace.	Shoshone.	2,723	3	41.3	—	64	19	16	6	34	0.53	1.47	0.16	0.0	17	18	8	5	s.	U. S. Weather Bureau.
Wendell.	Lincoln.	3,400	2	47.5	—	76	18†	21	30	40	0.15	0.11	0.0	2	20	11	0	w.	Chas. L. Dingler.	
<i>Washington.</i>																				
Aberdeen.	Chehalis.	162	19	48.2	+ 4.4	71	12	31	5	30	6.59	- 1.74	2.03	0.0	17	0	25	6	w.	Carl S. Weatherwax.
Anacortes.	Skagit.	60	16	44.9	—	66	13	31	25	31	2.29	- 0.09	0.50	0.0	18	7	22	2	sw.	Douglas Allmond.
Baker.	do.	200	4	46.6	—	79	13	31	6†	47	4.58	1.28	0.0	12	10	4	17	sw.	Robt. M. White.	
Bellingham.	Whatcom.	80	15	46.3	+ 2.2	62	15	30	25†	27	3.45	+ 0.74	0.80	0.0	11	13	8	10	sw.	Sanford B. Mayhew.
Blaine.	do.	53	13	44.6	+ 4.4	61	18	30	25†	27	3.47	- 0.16	0.60	0.0	15	10	7	14	sw.	John W. Sheets.
Blewett.	Chelan.	2,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	John Burneister.		
Bremerton.	Kitsap.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Navy Yard.		
Brewster.	Okanogan.	—	—	45.6	—	71	15	24	6	43	0.65	0.28	0.0	0	5	12	13	6	s.	Mrs. H. F. Bertram.
Bumping Lake.	Yakima.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Reclamation Service.		
Cashmere.	Chelan.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Valley Power Co.		
Cedar River.	King.	3	49.4	+ 5.4	78	13	27	6	41	5.78	+ 1.58	2.36	T.	15	10	5	16	sw.	George Landsburg.	
Centralia.	Lewis.	212	17	49.4	+ 5.4	78	13	27	6	41	5.78	+ 1.58	2.36	T.	14	8	16	7	s.	I. S. Turner.
Cheney.	Spokane.	2,351	11	45.8	—	72	12	16	27	50	0.97	- 0.20	0.22	T.	5	16	9	6	sw.	Northern Pacific Ry.
Clealum.	Kittitas.	1,930	11	40.6	+ 3.3	67	15	9	6	42	3.84	+ 1.36	1.73	T.	10	20	9	2	sw.	J. A. Balmer.
Clearbrook.	Whatcom.	140	7	45.4	—	73	13	24	25	41	5.61	1.84	0.0	0	12	5	14	12	ne.	Geo. Gibbs.
Clearwater.	Jefferson.	135	14	43.9	+ 0.4	60	10†	30	6†	19	8.75	- 4.08	2.20	0.0	17	14	10	7	sw.	A. Ritchie.
Colfax.	Whitman.	2,300	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. H. James.		
Colville.	Stevens.	1,635	10	44.2	+ 7.9	75	12†	22	6	48	1.12	- 0.24	0.41	0.0	6	15	6	10	sw.	W. L. Sax.
Conconully.	Okanogan.	2,300	10	43.5	+ 7.9	71	15	23	6	39	0.80	- 0.78	0.51	0.0	2	16	6	9	sw.	Wm. Baines.
Cowiche.	Yakima.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Reclamation Service.		
Crescent.	Lincoln.	2,250	10	44.0	+ 5.7	69	16	24	25	37	0.99	- 0.33	0.42	—	7	20	9	2	sw.	Otto Wollweber.
Davenport.	do.	2,450	1	44.4	—	67	15†	25	29	32	1.24	0.39	0.0	9	19	9	3	sw.	W. H. Reed.	
Dayton.	Columbia.	1,700	24	49.6	+ 0.6	72	13†	30	29	35	3.41	+ 1.07	0.86	0.0	11	11	11	9	sw.	W. W. Hendron.
Detroit.	Mason.	30	2	47.4	—	69	12†	26	6†	45	3.79	1.36	1.36	1.36	0	13	11	8	sw.	Walter O. Eckert.
Dixie.	Walla Walla.	5,000	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	sw.	T. Z. Andrews.	
Duckabush.	Jefferson.	380	2	45.9	—	67	13†	28	25	37	3.27	0.80	0.80	2.0	0.0	17	6*	6*	sw.	E. J. Finch.
East Sound.	San Juan.	500	15	45.8	+ 3.9	62	13†	30	6	23	2.90	+ 0.18	0.55	0.0	14	18	11	4	nw.	Benj. E. Harrison.
Ellensburg.	Kittitas.	1,571	22	44.8	+ 5.5	72	15	20	6	44	0.88	+ 0.31	0.25	0.0	5	19	7	5	nw.	R. Lee Barnes.
Ephrata.	Grant.	1,265	7	45.6	—	70	8†	22	1†	45	—	—	—	—	—	13	8	10	sw.	T. J. Cook.
Forks.	Clallam.	480	1	46.6	—	70	13	30	6†	30	8.85	—	2.02	T.	22	6	9	16	s.	E. A. Markham.
Fort Simcoe.	Yakima.	1,427	16	46.7	+ 4.5	71	14†	19	5	40										

TABLE 1.—Climatological data for March, 1910. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.
<b>Washington—Cont'd.</b>																		
Moxee.....	Yakima.....	1,000	18	48.8	+ 6.6	76	14	19	25	44	0.25	- 0.33	0.06	0.0	6	12	16	3
Newport.....	Stevens.....	41.8	.....	46.0	+ 1.1	70	14	19	25	45	1.33	- 0.34	0.34	0.0	8	12	15	4
North Head.....	Pacific.....	211	8	42.0	.....	59	11	35	6	17	4.24	- 1.01	2.05	0.0	20	4	13	9
Northport.....	Stevens.....	1,950	11	49.7	.....	65	14	19	5	39	1.23	- 0.08	0.55	0.8	5	16	6	9
North Yakima.....	Yakima.....	1,076	1	50.6	.....	74	16	25	6	36	0.21	.....	0.08	0.0	4	22	7	2
Nutland.....	Klickitat.....	1	.....	72	16	26	25	29	0.09	.....	0.08	0.0	0.0	0.0	2	2	2	s.
Odessa.....	Lincoln.....	1,540	7	47.8	.....	75	13	26	6	44	0.60	.....	0.30	0.0	3	15	10	6
Oila.....	San Juan.....	50	20	45.6	+ 2.4	66	12	32	5	51	2.2	+ 0.08	0.51	1.15	1	11	8	12
Olympia.....	Thurston.....	200	32	48.2	+ 3.9	74	13	26	6	39	5.60	+ 0.41	1.02	0.0	13	5	17	9
Omak.....	Okanogan.....	922	1	47.2 <sup>a</sup>	.....	72 <sup>a</sup>	18	26	6	38 <sup>a</sup>	.....	.....	.....	16 <sup>a</sup>	3 <sup>a</sup>	1 <sup>a</sup>	0 <sup>a</sup>	c.s.
Oroville.....	do.....	922	1	47.8	.....	69	13	29	6	36	1.48	.....	1.00	0.0	5	12	14	5
Peela.....	Garfield.....	5,000	1	48.5	+ 6.4	72	14	24	29	38	1.50	- 0.56	0.65	0.0	4	13	12	8
Pomeroy.....	do.....	1,500	18	48.5	+ 6.4	72	14	24	29	38	1.50	- 0.56	0.65	0.0	4	14	13	3
Port Crescent.....	Clallam.....	259	42	42.7	+ 2.2	60	12	28	6	27	2.00	- 1.32	0.57	0.5	16	2	19	10
Port Townsend.....	Jefferson.....	80	20	46.6	+ 2.2	61	12	33	5	51	2.0	- 1.72	- 0.25	0.44	0.0	12	7	8
Pullman.....	Whitman.....	2,550	18	45.9 <sup>a</sup>	+ 8.0	68	14	26	6	31 <sup>a</sup>	1.35	- 0.90	0.70	0.0	4	14	4	13
Quinault.....	Chehalis.....	300	3	45.5	.....	67	15	30	24	29	8.81	.....	1.90	0.0	21	8	14	11
Republic.....	Ferry.....	2,628	10	41.0	+ 5.3	71	15	19	6	44	1.22	.....	0.64	0.0	7	18	4	9
Rex Creek.....	Chelan.....	1,135	3	44.8 <sup>a</sup>	.....	62 <sup>a</sup>	14	25 <sup>b</sup>	6	38	1.20	.....	0.78	T.	3	11 <sup>a</sup>	6 <sup>a</sup>	10 <sup>a</sup>
Ritzville.....	Adams.....	1,825	11	47.0	.....	69	13	30	6	32	1.12	+ 0.33	0.61	0.0	5	14	3	n.
Rock Lake.....	Whitman.....	1,750	4	46.0 <sup>a</sup>	.....	69 <sup>a</sup>	13	28	4	35 <sup>b</sup>	1.09	.....	0.65	0.0	4	16	7	8
Rosalia.....	do.....	2,425	18	45.6	+ 7.0	67	15 <sup>a</sup>	23	25	27	2.07	+ 0.38	0.76	0.0	10	13	8	sw.
Russell's Ranch.....	Yakima.....	2,870	1	45.6	.....	67	15	23	25	27	4.71	.....	1.60	1.2	8	13	10	8
Scenic Hot Springs.....	King.....	2,021	.....	47.6	+ 3.4	67	16	33	25	26	1.80	- 1.80	0.42	0.0	15	4	15	s.
Seattle.....	do.....	123	19	47.6	+ 3.4	67	16	33	25	26	1.80	- 1.80	0.42	0.0	15	4	12	s.
Sedro-Wooley.....	Skagit.....	38	13	51.0	+ 6.9	78	12	30	25	44	4.06	- 0.33	1.06	0.0	16	7	14	10
Sixprong.....	Klickitat.....	1,240	3	50.8	.....	74	14	30	6	33	0.50	.....	0.30	0.0	5	15	5	11
Skagit Power Dam.....	Whatcom.....	123	.....	41.6	.....	61	14	28	25	29	0.40	.....	1.81	6.0	19	10	1	sw.
Snobomish.....	Snobomish.....	50	16	46.7	+ 3.1	69	13	28	6	38	2.49	- 1.92	0.40	0.0	15	10	8	nw.
Snouqualmie Falls.....	Kirk.....	687	11	46.9	+ 3.4	74	13	27	6	40	6.76	+ 1.39	1.29	0.0	19	19	0	12
Snyder Ranch.....	Okanogan.....	2,200	1	47.3	.....	72	12	26	6	36	1.63	.....	1.70	13.0	6	10	18	nw.
South Bend.....	Pacific.....	16	15	47.3	+ 2.1	70	21	28	6	25	11.25	+ 2.45	3.90	T.	21	12	2	17
Spokane.....	Spokane.....	1,943	29	46.2	+ 7.3	69	15	25	25	34	0.78	- 0.73	0.41	T.	10	7	10	14
State University.....	King.....	170	1	47.0	.....	70	13	30	6	32	1.87	.....	0.56	0.0	15	14	3	s.
Stokes Ranch.....	Okanogan.....	2,670	1	47.0	.....	72	12	30	6	32	0.73	.....	0.55	9.0	3	18	8	se.
Sullivan Lake.....	Stevens.....	2,700	1	47.0	.....	72	12	30	6	32	1.50	.....	0.55	0.4	8	11	5	sw.
Summer.....	Pierce.....	77	2	48.4	.....	71	11	26	6	36	4.29	.....	1.20	T.	19	10	8	13
Sunnyside.....	Yakima.....	740	15	49.9	+ 6.9	75	14	22	6	43	0.43	+ 0.06	0.31	0.0	4	16	11	4
Tacoma.....	Pierce.....	213	24	47.6	+ 3.4	70	13	28	6	32	2.90	- 1.08	1.17	T.	15	11	9	sw.
Tatoosh Island.....	Clallam.....	86	25	45.0	+ 2.1	57	10	35	5	14	3.92	- 4.65	0.61	T.	21	2	9	20
Tieton.....	Yakima.....	2,000	1	42.2	.....	64	10	15	6	32	2.87	.....	1.29	2.1	8	21	3	w.
Toucheet.....	Walla Walla.....	556	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	11	3	7	w.
Tou-het Ridge.....	Columbia.....	2,500	1	49.9	.....	72	15	27	6	32	0.31	.....	0.22	0.0	3	25	2	4
Trinidad.....	Grant.....	900	6	49.9	.....	72	15	27	6	32	0.31	.....	0.22	0.0	3	25	2	nw.
Twisp.....	Okanagan.....	1,619	1	47.0	.....	72	15	27	6	32	0.31	.....	0.22	0.0	3	25	2	nw.
Tyler.....	do.....	2,000	1	47.0	.....	72	15	27	6	32	0.31	.....	0.22	0.0	3	25	2	nw.
Vancouver.....	Clarke.....	100	35	51.4	+ 6.0	75	13	29	6	38	2.17	- 1.65	0.61	0.0	13	10	9	sw.
Vashon Island.....	King.....	116	21	48.7	+ 2.9	63	16	28	6	27	2.55	- 1.41	1.02	0.0	16	16	4	s.
Wahluke.....	Grant.....	410	6	49.8 <sup>a</sup>	.....	74 <sup>a</sup>	16	23 <sup>a</sup>	6	38 <sup>a</sup>	0.33	.....	0.25	0.0	2	18	6	7
Wallace.....	Okanagan.....	4,000	1	51.8	+ 7.8	71	12	27	6	26	1.65	- 0.24	0.78	0.0	8	14	7	sw.
Walla Walla.....	Walla Walla.....	1,000	26	51.8	+ 7.8	71	12	27	6	26	1.65	- 0.24	0.78	0.0	8	14	7	s.
Waterville.....	Douglas.....	2,624	20	42.8	+ 9.4	65	16	16	6	34	1.54	+ 0.58	0.42	0.0	7	22	6	3
Wenatchee (near).....	Chelan.....	1,169	11	44.8	+ 5.2	65	15	24	6	25	1.47	+ 0.13	0.74	0.0	5	11	3	w.
West Branch.....	Stevens.....	2,600	1	47.0	.....	72	15	27	6	32	0.31	.....	0.22	0.0	3	25	2	nw.
Wilbur.....	Lincoln.....	2,203	11	45.3	+ 8.0	71	15	24	29	36	1.00	+ 1.12	0.75	0.0	3	14	7	10
Yale.....	Cowlitz.....	375	3	49.6	.....	80	12	32	25	38	5.94	.....	3.11	T.	14	16	9	sw.
Zindel.....	Asotin.....	715	8	51.9	.....	77	12	31	5	36	1.49	.....	0.51	0.0	4	12	13	6
<b>Oregon.</b>																		
Albany.....	Linn.....	214	28	50.4	+ 4.1	75	12	28	6	35	1.63	- 3.13	0.52	0.0	9	9	9	sw.
Ashland.....	Jackson.....	1,940	22	50.2	+ 5.0	75	11	29	25	34	1.05	- 1.04	0.84	1.3	5	13	5	nw.
Astoria.....	Clatsop.....	11	43	48.5	+ 1.9	63	15	35	31	34	8.34	+ 1.37	4.25	0.0	19	11	7	13
Baker City.....	Baker.....	3,466	20	47.1	+ 2.3	63	11	28	25	29	4.66	- 6.54	1.71	0.0	18	11	9	sw.
Bend.....	Tillamook.....	14	15	47.1	+ 2.3	63	11	28	25	29	4.66	- 6.54	1.71	0.0	18	11	9	nw.
Birch Creek.....	Crook.....	3,629	8	46.4	.....	63	11	27	24	28	2.95	.....	0.85	0.0	9	16	7	8
Black Butte.....	Lane.....	1,200	9	46.4	.....	75	11	27	24	28	2.95	.....	0.85	0.0	9	16	7	ne.
Blalock.....	Gilliam.....	235	11	51.0	.....	75	12	30	6	30	0.15	.....	0.08	0.0	2	13	9	e.
Buckhorn Farm.....	Josephine.....	1,300	12	50.0	+ 5.2	79	12	26	25	47	1.70	- 8.13	0.60	0.0	6	14	6	11
Cascade Locks.....	Hood River.....	100	19	50.4	+ 5.3	73	14	31	6	32	7.53	- 0.30	3.05	0.0	12	21	3	w.
Castro.....	Clackamas.....	514	1	51.6	.....	78	12	28	25	39	4.37	.....	1.27</					

TABLE 1.—Climatological data for March, 1910. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.						
				Mean.	Departure from the normal.	Highest.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.				
Oregon—Cont'd.																				
Joseph.	Wallowa.	4,400	21	38.0	+ 5.8	56	16	20	24 <sup>a</sup>	23	2.59	- 0.55	1.00	5.2	11	12	9	s. sw.		
Le Grande.	Union.	2,754	24	45.2	+ 7.9	69	15	24	6	37	2.61	+ 0.73	1.13	T.	S	16	7	8		
Madras.	Crook.	2,150	1																	
Marshfield.		12	6	50.0		69	15	30	6	25										
McKenzie Bridge.	Coos.	1,400	7	47.2		80	12	22	25	52	5.06									
McMinnville.	Lane.	180	22	50.4	+ 5.4	74	12	29	67	39	1.65	- 3.30	0.60	0.0	8	10	10	sw.		
Mikalo.	Gilliam.	1,600	4	48.5		69	17	28	67	32	0.65									
Miramonte Farm	Clackamas.	195	21	51.2	+ 5.4	74	12 <sup>b</sup>	30	6	37	2.00	- 2.87	0.36	0.0	13	12	10	sw.		
Monroe.	Benton.	350	13	50.4	+ 5.2	73	18	29	6	32	1.50	- 4.73	0.40	0.0	8	8	14	w.		
Mount Angel.	Marion.	485	24	50.9	+ 5.0	72	17	17	1	38	2.12	- 2.91	0.95	0.0	7	13	5	s.		
Mount Hood.	Hood River.	1,650	46.8			70	16	22	6	35	3.03				1.65	2.8	17	10	w.	
Mountain Park.	do.	1,550	4	45.2		68	16	24	6	33	6.38				2.80	T.	13	13	w.	
Musick.	Douglas.	5,000		38.4		69	12	7	24	53	6.24				15.5	13	13	6	sw.	
Newport.	Linton.	69	22	48.6	+ 2.6	65	15	32	6	23	3.90	- 3.14	1.55	0.0	13	6	12	nw.		
Pendleton.	Umatilla.	1,272	20	51.3	+ 7.2	74	12	28	67	36	0.92	- 0.67	0.50	0.0	8	14	11	sw.		
Pilot Rock.	do.	1,572	1	50.2		77	10	28	7	41	0.83				0.41	0.0	9	12	sw.	
Pompeii.	Clackamas.	3,580	15	40.24	+ 7.4	63 <sup>a</sup>	11	21 <sup>a</sup>	6	31 <sup>a</sup>	7.65	- 1.29	2.98	6.0	13	6 <sup>a</sup>	10 <sup>a</sup>	14 <sup>a</sup>	sw.	
Portland.	Multnomah.	57	33	52.2	+ 5.2	74	13	33	6	29	2.25	- 2.78	0.60	0.0	13	10	13	8	sw.	
Prineville.	Crook.	3,000	13																U.S. Weather Bureau.	
Prospect.	Jackson.	2,750	4	47.0		80	12	23	24 <sup>a</sup>	51	0.84				0.50	2.0	4	11	6	nw.
Rainey.	Wasco.	1,350		46.1		68	16	24	6	32	0.80				0.26	0.0	9	17	10	w.
Range.	Grant.	3,500	1																E. F. Graham.	
Richland.	Baker.	2,350	8	46.6		72	14 <sup>b</sup>	25	25 <sup>a</sup>	44	1.11				0.98	0	2	18	6	7
Riverside.	Malheur.	3,000	11												0.85	T.	6	17	6	sw.
Roseburg.	Douglas.	523	33	51.7	+ 5.1	76	12	31	39	2.00	- 1.78	0.00	0.0	12	5	22	4	nw.		
Salem.	Marion.	120	20	51.3	+ 5.5	70	12	31	6	26	1.24	- 3.32	0.34	0.0	9	13	2	16	sw.	
Siskiyou.	Jackson.	4,115	1	46.1		69	10 <sup>b</sup>	20	24	26	2.19				0.81	13.5	8	15	8	s.
Sparta.	Baker.	4,150	17	43.4	+ 9.3	65	15 <sup>b</sup>	21	24	33	0.69	- 1.89	0.40	0.0	5	22	6	3	w.	
Stafford.	Clackamas.	400	13	51.1 <sup>a</sup>	+ 6.8	75 <sup>a</sup>	13	28	6	33 <sup>a</sup>	2.64	- 2.82	0.56	0.0	14	0	0	0	sw.	
The Dalles.	Wasco.	112	35	51.5	+ 5.5	73	16	27	67	32	0.41	- 0.90	0.15	0.0	6	19	3	0	w.	
The Heads.	Curry.	300	5																Willis T. White.	
Toledo.	Linton.	50	20	47.4	+ 1.3	73	10 <sup>b</sup>	20	25	43	3.75	- 5.41	1.70	0.0	7	16	9	6	n.	
Umatilla.	Umatilla.	340	14	52.1	+ 4.9	75	16	27	6	38	1.07	+ 0.35	0.90	0.0	4	15	5	11	w.	
Vale.	Malheur.	2,450	18	46.9	+ 7.1	72	16	25	6	45	0.90	+ 0.23	0.47	0.0	4	21	8	2	ne.	
Van.	Harney.	3,506		44.7 <sup>b</sup>		70 <sup>b</sup>	11 <sup>b</sup>	17 <sup>b</sup>	6	46 <sup>b</sup>	1.20				0.53	0.0	3	20	3	nw.
Wallace Orchard.	Polk.	170	1	50.2		71	12	29	25	34	1.34				0.36	0.0	9	7	16	s.
Wallowa.	Wallowa.	2,935	7	42.3		73	15	14	6	41	1.61				0.31	0.7	12	12	4	sw.
Wasco.	Wasco.	1,500	2	50.0		72	16	30	25	27	0.63				0.40	0.0	3	17	9	w.
Warmspring.	Crook.	1,600	8																C. C. Covey.	
Weston.	Umatilla.	1,800	20	48.1		69	11	29	25	34	1.36				0.25	3.0	10	11	9	sw.
Williams.	Josephine.	1,368	17	51.0 <sup>b</sup>		79	11	24	25	48					0.0		3 <sup>m</sup>	11 <sup>m</sup>	4 <sup>m</sup>	n.

<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

● Precipitation included in that of the next measurement.

\*\* Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

Data are from standard instruments not supplied by the U. S. Weather Bureau.

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimated by observer.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

F. F. McCully.  
W. A. Worstell.  
Robert Rea.  
Mrs. E. I. Mingus.  
Geo. Frissell.  
J. H. Pruet.  
Frank Little.  
G. M. Muecke.  
L. A. Peek.  
Dr. W. F. Fisher.  
S. G. Babson.  
M. Markley.  
Alex. Lundburg.  
William Matthews.  
H. F. Johnson.  
John P. McManus.  
O. C. Yorum.  
U. S. Weather Bureau.

E. F. Graham.  
Mrs. Iva B. Collins.  
Craig Thom.  
C. G. Morgan.  
Mrs. Leah Fairman.  
U. S. Weather Bureau.  
M. P. Baldwin.  
Lewis F. Bates.  
Hon. J. A. Wright.  
John P. Gage.  
S. L. Brooks.  
Willis T. White.  
C. B. Crown.  
Mrs. Helen T. Duncan.  
H. P. Osborn.  
Geo. Howe.  
Chas. A. Parks.  
L. J. Coverstone.  
A. J. Swift.  
C. C. Covey.  
M. A. Baker.  
J. M. John.

TABLE 2.—*Daily precipitation for March, 1910. District No. 12, Columbia Valley.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 12—Continued.*

Stations.	River basins	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
<i>Idaho—Cont'd.</i>																																		
Orofino	Clearwater	.90	.32	.18	.10	.15																												3.23
Payette	Payette																																T. 05	0.51
Pebble	Upper Snake																																	0.51
Pierson	Salmon																																	1.19
Pine	Boise	.70	.20																															1.37
Placerville	do																																	
Pleasant Valley	do	.05	.07																															0.81
Pocatello	Upper Snake	.08																																0.64
Pocatello Nursery	do																																	
Poplar	do																																	0.67
Porthill	Upper Columbia	.35		.02																														2.00
Powers Ranch	Boise	.33																																1.28
Pyle Creek	do	.17																																0.94
Rattlesnake Creek	Payette	.80	.13																															0.61
Ruby Creek	Boise	.82	.32																															1.76
Rupert	Upper Snake	T.																																1.79
Salmon	Salmon	T.																																0.10
Salmon River Dam	Middle Snake	.03																																0.47
Sheep Hill	Boise	1.48	T.																															0.31
Shoshone	Wood-Malad	.04																																1.55
Silver City	Owyhee	.24																																0.22
Smith Prairie	Boise	.63	T.																															1.24
Soldier	Wood-Malad																																	
Sugar	Upper Snake																																	0.44
Sunnyside	Middle Snake	.24																																0.85
Tilden	Upper Snake																																	0.20
Triop Mountain	Payette	.07																																0.16
Twin Falls	do																																	0.56
Vernon	Upper Snake	.69	1.47	.40	.21	.72																											5.03	
Wallace	Upper Columbia																																	0.15
Wendell	Upper Snake																																	
<i>Washington.</i>																																		
Aberdeen	Coast	2.03	.56	.28	.76																													6.59
Anacortes	Puget Sound	.50	.03	.14	.08	.29	.01	.09	.01																								2.29	
Bellingham	do	1.28	.33	.32	.22	.82	.62																										5.49	
Blaine	do	.37	.80	.48																													3.45	
Blewett	Wenatchee	.60	T.	.48	.41	.10																											3.47	
Bremerton	Puget Sound	.52	.17	.03	.06	.37																											1.82	
Brewster	Columbia	.26		.01																													0.65	
Bumping Lake	Cashmere																																	
Cedar River	Puget Sound	1.02	.45	.32	.26	T.	.14	.07																								4.90		
Centralia	Coast	2.36	1.12	.09	.12	.35	T.	.08																								5.78		
Cheney	Spokane																																	
Clealum	Yakima	1.73	.83																														3.84	
Clearbrook	Puget Sound	.81		.84	.64																												5.61	
Colfax	Coast	2.20	1.05	1.05	.60	.10																										8.75		
Colville	Palouse																																	
Conconully	Columbia																																1.12	
Cowiche	Okanogan																																0.89	
Crescent	Yakima																																0.99	
Davenport	Spokane																																3.41	
Dayton	do	.41	.27	.25		.05																										3.79		
Detroit	Puget Sound	1.36	.50	.11	.28	.45	.03	.10																							5.73			
Dixie	Columbia	1.80	.35	.09																												3.27		
Duckabush	Puget Sound	.80		.55	.13	.35	.02	.03	T.																						2.90			
East Sound	do	.55	.12	.50	.22	.17	T.	.25	.13	T.																					0.88			
Ellensburg	Yakima																																	
Ephrata	Columbia																																4.36	
Forks	Fort Simcoe	2.02	1.10	1.00	.60	.67	.67	.10	.01	.05																				8.85				
Fort Simcoe	Yakima	.50																														0.50		
Goat Lake	Puget Sound	1.20	1.49	.77	.55		.94	.26																							7.58			
Gold Creek	Yakima	*	.98																													2.16		
Goldendale	Columbia																																	
Granite Falls	Puget Sound	.78		.15	.44																											4.76		
Hatton	Columbia	.21	.12	.17		T.																										2.44		
Huntsville	do																																	
Irene Mountain	T.																																1.06	
Kennawha	do																																0.81	
Kettle Falls	do																																1.44	
Kiona	Yakima		.03																													0.81		
Koamos	Columbia	3.82	1.50	.02	.28	.26		.05	.05																						6.39			
La Center	do	.																																

TABLE 2.—*Daily precipitation for March, 1910. District No. 12—Continued.*

Stations.	River basins.	Day of month.																														Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Washington—Cont'd.																																			
Port Townsend	Puget Sound	.42	.05		.15			.12	.02										.04	T.	.44	.16	.08	.20											1.72
Pullman	Palouse																																	1.35	
Quinault	Coast	1.08	1.90	1.00	.72	.57	.53	.26	.02										.04		.10	.70	.35											8.81	
Republic	Kettle																																	1.22	
Rex Creek	Columbia	.78																																1.20	
Ritzville	do	.04																																1.12	
Rock Lake	Palouse	.06	.08																														1.09		
Rosalia	do	.18	.07		.06																												2.07		
Russells Ranch	Yakima	1.60	1.32																														4.71		
Scenic Hot Springs	King																																		
Seattle	Puget Sound	.20	.03	T.	.27	.01		T.	T.										.11	.11	.04	.11	.09	.27	.42	T.	.03	.05	.01		1.80				
Sedro-Woolley	do	1.06	.68	.39	.18	.38			.12	.04									.22	.08	.37	.06	.11	.04	.11		.51	.40			4.06				
Sixprong	Columbia	.02	.04																														0.50		
Skagit Power Dam	Puget Sound	1.81	1.19	.42	.50	.37	.05	.34	.08										.27	.17	.06	.10	.05	.15	.03	.13						6.40			
Snohomish	do	.26	.03	.02	.02	.16			.05										.22	.23	.40	.02	.30	.29									2.49		
Snoqualmie Falls	do	1.29	1.26	.31	.28	.40	.02	.16	.03	T.									.95	.18	.53	.22	.01	.62	.05	.04	T.	.35	T.	.05	.03	6.76			
Snyders Ranch	Columbia	.10																		.08	.21	.15	T.	.02	.25									1.63	
South Bend	Coast	3.90	2.10	.38	.62	.38	.08	.26	1.14	.02									.03	.19	.11	.43	.62	.02	.05	.32	.25		.05	.06	.24		11.25		
Spokane	Spokane	.03	.02							T.										.02	.01	.11	.30	.24	.03	.01		.01	T.					0.78	
State University	Puget Sound	.24	.04																														0.87		
Stokes Ranch	Columbia	.55																															0.73		
Sullivan Lake	Pend d'Oreille																																1.50		
Summer	Puget Sound	1.20	1.08	.02	.08	.28	.01	.05	.01	T.									.43	.37	.30	.07	.04	.18	.02	.01		.02	.09	.03		4.29			
Sunnyside	Yakima																																0.43		
Tacoma	Puget Sound	1.15	.44	.02	.28	.05	.06	.01	.02	T.									.05	.25	.13	.03	.16	.13									2.90		
Tatoosh Island	Coast	.36	.18	.57	.33	.04	.33			.05	.10								T.	.05	.37	.13	.29	.27	.01	.04	.01	.02	.26	.02	.08	.41		3.92	
Tieton	Yakima	1.29	.41																	.03	.24	.43	.16	.12	T.									2.87	
Touchet	Columbia																																		
Touchet Ridge	do	.04																																0.31	
Trinidad																																			
Twisp	do																																		
Tyee	do																																	0.01	
Vancouver	do	.38	.33	.01	.05															.08	.21	.28	.03	.61	.05		T.	.06	.03		2.17				
Vashon Island	Puget Sound	1.02	.31	.01	.14	.23	T.	.04	T.	T.									.16	.11	.17	.07	T.	.12	.07	.01	T.	.05	T.	.02	.02	2.55			
Wailuku	Columbia																																0.33		
Wallace	Okanagan	.09																															0.59		
Walla Walla	Columbia	.21	.02	.03	T.																											1.65			
Waterville	do	.41																															1.54		
Wenatchee (near)	do	.74	.02		T.																												1.47		
West Branch	Spokane																																		
Wilbur	Columbia	3.11	1.03	T.	.37	.26		.15	.07										T.	.05	.20	.22	.17	.15	.08	T.		.04		5.94					
Yale	do																																1.49		
Zindel	Snake	.14	T.	T.																															
Oregon	Willamette	.52	.24		.04																												1.63		
Albany	Rogue	.03																															1.05		
Ashland	Columbia	4.25	1.86	.08	.31	.33		.22	.05	.01	T.		T.	T.	T.	T.				.01	.34	.28	T.	.01	.23	.13	.04	.01	.04	.08	.06	8.34			
Astoria	Snake	.22																															2.31		
Bagley's Ranch																																			
Baker City	do																																0.98		
Bear Creek	Deschutes	.05																															1.50		
Bear Valley	John Day																																		
Beaver Creek	Deschutes																																2.53		
Beach Creek	John Day	.06																															2.29		
Bellfountain	Willamette	.08	.14	.01	.06	.41													.06	.11	.45	.20	.11	.06											
Beud	Deschutes																																		
Big Basin	John Day																																0.91		
Birch Creek	Willamette	.15	.20	.05																													2.95		
Black Butte	Columbia	.15																															0.15		
Blalock	Umatilla	.00	.30																														3.50		
Blue Mtn Sawmill	Coast	.20																															1.79		
Buckhorn Farm			</																																

TABLE 2.—*Daily precipitation for March, 1910. District No. 12—Continued.*

TABLE 3.—*Maximum and minimum temperatures at selected stations for March, 1910.* District No. 12, Columbia Valley.

Date.	Montana.												Idaho.																													
	Kalispell.			Missoula.			Afton, Wyo.			Boise.			Bonners Ferry.			Hotsping.			Lewiston.			Mackay.			Meadows.			Pocatello.			Salmon.			Shoshone.			Vernon.			Wallace.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.						
1.	49	28	45	30	45	27	53	42	50	30	59	39	46	24	45	32	53	39	45	32	48	33	37	29	49	27	29	48	27	29	48	27	29	48	27							
2.	48	35	49	35	52	34	63	44	54	45	53	42	49	22	49	34	57	40	55	34	50	29	42	33	48	36	33	47	35	33	47	35	33	47	35							
3.	47	32	48	36	54	23	62	58	50	47	55	42	50	26	38	32	57	36	55	32	51	33	45	29	47	35	33	47	35	33	47	35	33	47	35							
4.	50	35	49	33	51	23	63	58	47	34	58	41	43	24	51	33	56	35	31	31	53	31	42	30	46	35	33	47	35	33	47	35	33	47	35							
5.	40	30	39	29	58	26	53	36	48	20	62	34	51	33	40	15	50	34	51	34	51	39	50	28	39	18	39	32	33	47	35	33	47	35								
6.	42	19	44	21	46	14	58	31	44	36	60	30	55	30	45	16	51	13	55	28	48	20	50	24	45	16	46	19	46	20	46	34	30									
7.	45	28	50	27	48	20	58	33	48	32	60	30	58	34	45	24	49	17	56	29	50	20	54	29	41	19	46	34	30	40	20	46	30									
8.	37	23	45	30	45	15	54	33	44	27	64	31	56	39	42	27	49	23	50	34	51	25	51	26	40	20	46	34	30	40	20	46	34									
9.	39	24	51	26	40	23	57	35	50	23	62	36	57	36	39	21	51	25	48	30	50	26	50	30	43	15	49	27	47	35	33	47	35									
10.	50	32	58	30	38	7	58	32	55	28	60	28	64	38	46	24	53	16	52	28	51	26	44	23	53	33	47	35	33	47	35	33	47	35								
11.	53	29	61	26	40	10	63	35	60	25	63	31	69	36	44	25	55	19	56	28	55	21	57	29	44	17	58	29	44	21	52	31										
12.	59	29	64	28	43	15	63	36	64	26	67	29	69	38	46	26	61	19	60	28	57	21	60	31	48	21	52	31	47	21	46	30										
13.	60	32	65	28	43	14	69	37	62	28	72	35	69	38	51	25	58	19	64	28	59	22	65	34	47	21	52	20	56	31	47	20	56	31								
14.	62	31	65	28	41	13	66	40	65	27	71	44	69	39	55	26	59	22	64	27	60	22	65	35	51	20	63	30	47	20	56	31										
15.	64	33	65	28	48	15	70	39	66	28	69	34	70	38	67	29	60	22	64	28	61	23	65	35	51	20	63	30	47	20	56	31										
16.	59	30	66	28	49	20	69	40	66	25	72	34	69	39	56	29	61	23	64	28	63	23	67	35	52	24	63	30	47	20	56	31										
17.	52	32	56	31	52	26	66	45	58	32	75	37	66	46	56	31	57	27	67	36	69	30	50	24	65	33	47	20	56	31	47	20	56	31								
18.	60	28	70	33	54	24	74	49	60	31	76	32	64	42	60	32	60	27	70	39	68	27	71	40	53	28	63	32	47	20	56	31										
19.	62	38	70	36	60	28	74	48	65	31	77	46	72	48	62	33	56	34	69	45	69	36	69	46	57	34	64	36	47	30	56	32										
20.	62	36	70	37	60	23	56	44	68	34	76	40	57	47	62	30	53	34	69	46	75	32	70	34	63	35	52	32	62	36	47	30	56	32								
21.	64	37	67	43	62	31	64	42	65	34	73	40	62	45	60	34	53	34	70	48	72	33	69	38	64	35	63	32	62	36	47	30	56	32								
22.	49	40	53	43	62	33	61	41	54	34	70	49	61	47	60	42	45	34	65	49	66	43	62	42	63	38	49	39	53	34	62	36	47	30	56	32						
23.	44	35	47	38	53	25	53	33	58	34	60	46	50	38	55	42	41	32	49	36	62	36	53	33	46	34	53	34	47	30	56	32										
24.	46	30	48	27	43	23	49	31	45	27	52	33	49	35	60	41	43	19	45	30	47	31	47	30	53	33	46	34	53	34	47	30	56	32								
25.	46	24	53	21	47	22	54	32	45	20	55	31	56	31	46	38	53	17	59	28	57	20	56	34	58	27	56	32	53	34	47	30	56	32								
26.	53	25	55	22	45	30	56	37	53	20	65	38	58	32	45	23	54	28	53	37	57	25	55	36	50	32	50	24	56	32	47	30	56	32								
27.	50	25	53	26	47	26	56	37	52	20	61	35	62	38	45	30	55	29	52	35	60	24	56	32	49	28	56	32	47	30	56	32										
28.	49	28	48	26	46	30	53	38	50	38	60	41	52	40	44	37	50	27	48	34	55	35	53	36	48	31	44	30	53	34	47	30	56	32								
29.	50	27	62	24	43	13	51	30	52	18	55	31	59	31	44	22	52	18	48	26	52	22	50	27	42	24	49	20	53	34	47	30	56	32								
30.	58	26	60	22	45	12	65	24	59	30	67	30	59	36	56	28	59	22	60	28	60	38	62	23	53	21	53	28	50	35	47	30	56	32								
31.	55	35	56	39	56	22	60	41	58	38	70	40	64	42	52	27	59	35	63	38	56	30	63	31	53	30	50	35	47	30	56	32										
Mns	51.7	30.4	56.0	30.0	48.0	21.5	60.3	37.8	55.3	29.0	65.7 <sup>d</sup>	35.5 <sup>d</sup>	60.4	38.7	50.8	28.1	52.9	25.8	57.9	34.0	57.5	27.8	57.8	32.6	48.4	25.9	52.1	30.5														

## Washington.

Date.	Aberdeen.		Blaine.		Colville.		Kosmos.		Lakeside.		North Head.		North Yakima.		Odeessa.		Port Crescent.		Seattle.		Sixpont.		Spokane.		Tacoma.		Tatosh Island.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	48	42	52	34	53	33	46	34	48	32	47	46	58	32	56	37	54	37	51	44	60	40	53	36	52	45	48	44
2...	49	45	52	47	57	43	44	36	55	35	48	45	66	39	53	36	50	38	52	46	62	43	55	48	46	42	48	42
3...	48	45	51	40	55	30	46	38	57	37	45	44	64	30	59	35	51	38	50	46	58	41	53	42	51	46	46	39
4...	46	42	45	39	54	31	46	38	54	40	46	40	59	30	47	38	43	35	49	37	59	40	53	40	52	40	44	36
5...	44	31	44	35	47	31	41	33	47	33	50	35	47	34	45	34	43	31	45	35	52	36	45	31	45	34	44	35
6...	47	36	42	31	50	22	45	29	42	26	45	35	51	25	54	26	41	28	46	31	49	30	52	26	47	28	45	38
7...	55	37	50	34	50	31	44	38	49	30	51	40	59	31	58	36	45	32	50	41	58	38	50	34	50	40	47	38
8...	47	40	48	36	51	26	43	36	49	32	49	41	60	32	57	26	46	34	51	42	59	37	51	33	54	42	45	41
9...	51	42	45	37	55	24	58	34	51	30	55	39	62	33	60	37	47	38	53	43	62	36	54	28	53	44	46	42
10...	61	38	51	40	62	35	59	31	55	35	58	41	66	34	64	32	51	38	56	41	66	34	62	36	55	42	54	44
11...	65	40	56	31	65	27	65	31	57	33	59	45	68	34	66	32	53	33	64	38	67	39	64	34	68	36	55	43
12...	71	41	58	35	75	29	79	31	58	34	53	43	72	36	69	34	60	33	61	49	70	40	66	34	66	39	56	44
13...	57	43	59	32	73	28	80	35	58	34	45	45	72	44	75	31	59	38	66	40	72	43	67	39	70	39	46	41
14...	67	45	59	32	75	29	75	34	62	35	47	44	73	41	69	36	56	39	53	41	74	43	67	33	56	43	49	43
15...	66	47	59	33	72	27	60	34	61	35	54	46	73	44	74	37	54	39	59	39	70	46	69	36	62	40	46	42
16...	65	48	55	35	74	26	64	41	61	36	55	48	74	48	73	37	58	41	87	45	72	46	68	42	66	45	57	43
17...	64	43	56	46	63	35	64	41	60	40	53	46	71	44	74	42	51	41	56	48	69	50	60	44	55	48	51	46
18...	61	47	61	45	67	34	61	43	51	41	55	48	68	46	73	49	53	44	59	45	67	46	64	43	56	46	55	48
19...	58	46	59	46	52	39	57	41	49	42	53	46	62	47	68	49	52	46	57	49	62	47	64	48	55	48	50	47
20...	55	43	50	43	55	45	63	44	57	41	48	45	67	49	64	46	49	46	57	46	67	48	56	46	54	46	49	44
21...	63	46	51	41	64	37	60	43	56	41	52	44	68	44	62	41	50	37	50	45	64	44	63	42	49	45	52	45
22...	50	40	53	33	58	36	56	39	54	40	46	41	52	45	59	41	50	39	50	41	60	44	54	40	52	38	46	39
23...	49	37	43	40	47	36	51	32	51	37	45	38	52	35	54	33	46	33	46	37	50	34	43	36	48	35	46	39
24...	52	34	48	31	48	28	50	33	55	34	46	38	55	26	50	30	45	30	49	39	53	33	42	30	50	37	48	38
25...	54	36	50	30	50	24	60	28	53	30	49	38	57	27	51	27	45	28	56	33	54	30	49	25	55	30	47	39
26...	58	34	51	30	52	24	65	28	54	34	48	41	60	28	54	38	48	34	54	38	58	37	52	27	54	34	48	42
27...	62	32	55	31	51	25	65	29	60	37	53	44	64	35	59	30	49	35	53	37	63	38	55	32	59	36	50	39
28...	56	45	51	36	53	28	51	33	53	41	47	40	54	41	51	37	48	35	51	39	58	40	49	34	53	38	47	40
29...	58	45	52	36	47	26	66	29	60	32	51	40	62	29	54	35	49	33	59	37	63	30	52	30	61	35	47	42
30...	50	35	51	42	58	34	60	34	64	35	48	45	67	35	60	31	48	34	51	43	60	29	58	38	52	44	47	42
31...	58	32	50	39	52	36	61	39	61	35	46	37	65	38	63	30	48	29	52	40	63	40	57	37	54	37	48	39
Mns	56.0	40.5	52.0	37.1	57.6	30.9	57.7	35.1	54.9	35.4	49.8	42.1	62.8	36.6	60.6	35.0	49.6	35.8	54.3	40.8	62.0	39.6	56.4	36.1	55.1	40.2	48.5	41.4

TABLE 3.—*Maximum and minimum temperatures at selected stations for March, 1910.* District No. 12—Continued.